

L 35392-66 EWT(m)/EWP(j)/T DS/RM
ACC NR: AP6026816

SOURCE CODE: UR/0020/66/167/001/0135/0138

AUTHOR: Savel'yev, D. A.; Sidorov, A. N.; Yevstigneyeva, R. P.; Ponomarev, G. V. 50

ORG: none

TITLE: Dark and photochemical¹ reduction of metal derivatives of a number of porphins 49

SOURCE: AN SSSR. Doklady, v. 167, no. 1, 1966, 135-138

TOPIC TAGS: photochemistry, chemical reduction, pyridine, methanol, hydrazine, atom, hydrogenation, chlorine compound

ABSTRACT: The relationship of the reduction of porphin type molecules to the presence and nature of a central metal atom was investigated in the following porphin metal derivatives: M-TFP (M = Zn, Mg, Cd, Cu, Ni), Zn- and Cu-TMP, Zn- and Mg-EP (TFP = meso-tetraphenylporphin, TMP = 1,4,5,8-tetramethylporphin, ED = ethioporphin-1).

Photo-reduction was conducted under vacuum in pyridine and methanol at pigment concentrations of 10⁻⁵ mole/liter in the presence of hydrazine (1-2 moles/liter) or H₂S with 500 mm Hg equilibrium gas pressure over the solution. Illumination of the solutions was done with the total light of a 500 watt incandescent lamp equipped with a reflector and condenser.

UDC: 535.343:541.143

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The effect of the central metal atom in the pigment molecule is different in dark and photochemical reduction reactions. In dark reaction with hydrazine, the hydrogenation of the pyrrole rings occurs equally successfully in Cu-, Ni- and Zn-containing pigments, depending more on the character of the peripheral substituents than on the central metal atom. In the photochemical interaction, only the Zn- and Mg- derivatives (and, possibly, Cd-derivatives) appear active, regardless of the nature of the substituent in the 1-8 positions (in the limits of the compounds studied), but the Cu- and Ni-derivatives appear inactive. Upon comparing the Zn- and Mg-containing pigments, the photo-hydrogenation of the pyrrole rings occurs in Zn-derivatives in the presence of hydrazine, with the formation of the corresponding chlorines and bacterio-chlorines, but it does not occur in Mg-derivatives. It can be assumed that such differences in the metal-containing pigments are caused either by their special properties in optically stimulated states, or by their dissimilar capacity for complex formation with molecules of the medium. This paper was presented by Academician A. N. Terenin on 15 May 1965. Orig. art. has: 4 figures. [JPRS: 36,455]

SUB CODE: 07 / SUBM DATE: 05May65 / ORIG REF: 005 / OTH REF: 005

Card 2/2 *ldh*

Rolled elongated ingots

S/137/62/000/001/075/237
A060/A101

of the heating time by 1 hr, reduction in the specific expenditure of reference fuel by 10 - 14 kg/ton. The specific electric power expenditure for rolling elongated ingots is lower than that of ordinary ingots (22.9 as compared with 28.8 kwhr/ton). Ingots of 3.05 and 3.5 tons, for casting of which no extensive equipment alterations are required, are being introduced into mass production. 2.0-ton elongated ingots of various electric steels have also been investigated.

Ye. Bukhman

[Abstracter's note: Complete translation]

Card 2/2

ACCESSION NR: AP4041866

The slag was obtained by melting together industrial alumina and lumpy annealed lime. The electric power consumption required to smelt one ton of the synthetic slag was 1,495 kilowatt-hours, corresponding to an additional expenditure of electric power of 56.8 kilowatt-hour/ton of steel. Before releasing the melt into the ladle, the liquid synthetic slag was poured off in the amount of 3-4% of the weight of the metal (the mean consumption of slag per ton of steel was 3.7%), after which, with as little delay as possible, the melt was released into the same ladle. Meanwhile, the oxidized furnace slag was removed from the metal in the spout of the open-hearth furnace by means of a special device described and illustrated schematically in the text. The mean temperature of the liquid synthetic slag in the furnace before slagging was 1,670-1,640C. Before the refinement of the steel the slag contained 40-41% Al_2O_3 , 54-56% CaO, 1.5-2.0% SiO_2 , 1-3% MgO and 0.2-0.4% FeO. In the industrial tests that were carried out, steels 30KhGSA, 40KhNMA, 40KhFA, 50KhFA, U7-8A and ShKh15 were smelted in 100-ton furnaces and teemed. The metal was held in the ladle 8-15 minutes before pouring. In order to provide a proper comparison of the test metal with conventional metal, 32 melts were made according to the conventional technology in 100-ton, 40-ton open-hearth and 18-ton arc furnaces. The tests indicated that the refining of large open-hearth melts in the ladle by liquid synthetic slag involves no difficulties. The normal smelting procedure according to the new

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ACCESSION NR: AP4041866

technology provided a metal of the prescribed chemical composition. A high degree of desulfuration was achieved. The sulfur content in the metal so refined was reduced from 0.030-0.040 to 0.006-0.012%. Open-hearth ball-bearing steel ShKh15 refined by synthetic slag had a higher degree of purity with respect to non-metallic admixtures than the electric steel of Plant No. 1 and of other metallurgical plants. The quality of the open-hearth structural alloy and instrument-carbon steels, refined by the synthetic slag, was equal to that of electric steel, and was even superior to it in terms of plasticity and resiliency across the fiber. Experiments in the preparation of the synthetic slag in an arc-type electric furnace for the processing 10-ton open-hearth melts indicated that in order to obtain 1 ton of the liquid slag 1500 kw-hours of electric power is sufficient with a specific transformer power of 2000 kva per ton of hourly productivity of a slag-smelting furnace. The production of high-quality open-hearth steel in 100-ton furnaces by the new method results in a considerable cost reduction in comparison with conventional electric steel. The results of the refining of 100-ton open-hearth melts by means of liquid synthetic slag point to the advisability of putting this method into operation in the open-hearth shops of high-quality metallurgical plants having furnaces of 100- to 200-ton capacity. "A. M. Svistunov (Deceased), P. S. Motveychuk, Ye. N. Vasil'yev, A. S. Mikhaylov, I. F. Yefimov, A. A. Kuz'min, K. S. Obokmov, Yu. N. Gorbunov, V. G. Kuklev, N. I. Kazakova and others also took part in the work." Orig. art. has: 4 figures and 4 tables.

Cord 3/4

SAVEL'EV, D. V., Cand. of Agric. Sci.; BREV, K. A.
Leningrad Agricultural Inst.

"Secure the highest effectiveness of anti-gadfly measures."

SO: Veterinariya 27(12), 1950, p. 11

SAVEL'YEV, D.V.

Oil solution of DDT in combatting adult ox warbles (*Hypoderma bovis* de
Geer). Paraz.sbor. 14:103-111 '52. (MLBA 6:6)
(Warble flies) (DDT (Insecticide))

SAVEL'YEV, D. V.

FD-473

USSR/Medicine - Veterinary

Card 1/1 : Pub. 137 - 14/24

Author : Breyev, K. A., Cand Biol Sci and Savel'yev, D. V., Cand Agr Sci

Title : Control of cutaneous gadflies of reindeer

Periodical : Veterinariya, 7, 35-37, Jul 54

Abstract : The Institute has developed a method of exterminating the female cutaneous gadfly during flight and oviposition. Composite emulsion consisting of 20% mineral oil concentrations of DDT and hexachlorocyclohexane (GKhTsG) diluted with water in a ratio of 1 to 3 has been used to spray deer. Tendency of deer to crowd together when attacked by gadflies makes it easy to spray them with this emulsion. The apparatus used for spraying consists of a barrel with a plunger pump (OBP) and a sprayer of the VNIOT type. One table. Three illustrations.

Institution : Scientific-Research Institute of Polar Agriculture, Animal Husbandry, and Hunting and Fishing

Submitted :

SAVEL'YEV, D. V.

"The First Results of the Struggle against Reindeer Warble Flies."

Tenth Conference on Parasitological Problems and Diseases with Natural Reservoirs, 22-29 October 1959, Vol. II, Publishing House of Academy of Sciences, USSR, Moscow-Leningrad, 1959.

Agricultural Institute of the Far North (Noril'sk)

SAVEL'YEV, D. V., VOBLIKOVA, N. V., MEZENEV, N. P. and SILKOV, A. M. (Scientific Research Institute of Agriculture in the Extreme North [Krainii Sever]).

"Phosphoro-organic insecticides in the extermination of larvae of the subcutaneous gadfly of reindeer."

Veterinariya, vol. 39, no. 2, February 1962 pp. 74

SAVEL'YEV, D.V.

Trichlorometaphos-3 for controlling warble fly larvae in
reindeer. Veterinariia 40 no.8:69-70 Ag '63.

(MIRA 17:10)

1. Nauchno-issledovatel'skiy institut sel'skogo khozyaystva
Kraynego Severa.

SAVEL'EV, D.V., kand. sel'skokhoz. nauk

Trichlorometachol-3 in treating reindeer with Hypoderma infestation.
(MIRA 18:3)
Veterinariia 41 no.5:98 My '64.

1. Nauchno-issledovatel'skiy institut sel'skogo khozyaystva Kraynego
Severa.

ACC NR: AP6032122

(A, N)

SOURCE CODE: UR/0346/66/000/010/0040/0042

AUTHOR: Savel'yev, D. V.; Mezenev, N. P.; Polyakov, V. A.

ORG: Agricultural^{Scientific} Research Institute of the Far North (Nauchno-issledovatel'skiy institut sel'skogo khozyaystva Kraynego Severa)

TITLE: Trichlorometaphos-3 and phosphamide as a means of controlling gadfly larvae on reindeer

SOURCE: Veterinariya, no. 10, 1966, 40-42

TOPIC TAGS: entomology, ^{animal} parasite, toxicology, poison, poison effect, larvicide, ^{pesticide}

ABSTRACT: Tests were made recently of the larvicidal action of various pesticides. Phosphamide and trichlorometaphos-3 yielded the highest percent kill of gadfly larvae parasitizing reindeer. Phosphamide gave the best results, followed closely by technical grade trichloromethaphos-3. Clinical tests revealed no traces of poisoning among the host animals. The chemicals were applied to experimental animals in both single and multiple doses. When applied in massive doses, the chemicals produced an average kill of 79%. [WA-50; CBE No. 12]

SUB CODE: 06/ SUBM DATE: none/

Card 1/1

UDC: 619:616.995.773.4-084]:636.294

SAVEL'YEV, F.

Horizontal ceiling ventilation. Sel'. stroi. 14 no.7:18 JI '59.
(MIRA 12:10)

1. Glavnyy inzhener otdela po stroitel'stvu v kolkhozakh Amurskogo
oblastnogo upravleniya sel'skogo khozyaystva.
(Amur Province--Farm buildings--Heating and ventilation)

SAVEL'YEV, F.

Radiators for livestock buildings. Sel'. stroi. 15 no.1; supplement: p.4
Ja '61. (MIRA 14:3)

1. Starshiy inzhener po stroitel'stvu v kolkhozakh Amurskogo
oblastnogo upravleniya sel'skogo khozyaystva.
(Farm buildings—Heating and ventilation)

TOEBINSKIY, V.; SAVEL'YEV, G.

Welding the faces of a bucket dredge drum. Mor. i rech. flot 13 no. 8:
29 D '53. (MIRA 6:12)
(Dredging machinery)

ALEKSEYEV, A.; RESHETNYAK, I.; SHPAGIN, V.; SUROVETSKIY, Ye.; DAVYDOV, I.,
(Baku); KRASNOV, A. (Al'met'yevsk); SAVEL'YEV, G.;
RAZVOROTNEY, A.; KOZLOV, A., inzh.; TURUTIN, I.; VALIOTTI, B.
(Arkhangel'sk); VEL'MITSKIY, V.

Letters to the editor. Sov.profsoiuzy 16 no.6:47-52
Mr '60. (MIRA 13:3)

1. Starshiy instruktor Chuvashskogo oblssovprofa (for
Aleksyev). 2. Chlen kraykoma profsoyuza rabotnikov svyazi,
rabochikh avtomobil'nogo transporta i shosseynykh dorog,
g.Maykop (for Reshetnyak). 3. Predsedatel' ob'yedinennogo
postroykoma Bratskgesstroya (for Shpagin). 4. Starshiy
instruktor Yakutskogo oblastnogo soveta profsoyuzov (for
Surovetskiy). 5. Predsedatel' komissii obshchestvennogo
kontrolya za rabotoy torga, Arkhangel'sk (for Savel'yev).
6. Sekretar' partbyuro tresta "Ukhtastroy," g.Ukhta, Komi
ASSR (for Razvorotnev). 7. Redaktor mnogotirazhnoy gazety
"Zhilstroyevets" (for Turutin).
(Labor and laboring classes) (Trade unions)

SAVEL'YEV, G., general-mayor

Important step on the way to communism. Ty1 1 snab.Sov.Voor.Sil. 21
no.2:7-9 F '61. (MIRA 14:6)
(Agriculture)

SAVEL'YE, G., inzh.

Use of varistors. Radio no.6:41-43 Je '61.
(Electric resistors)

(MIRA 14:10)

SAVEL'YEV, G., inzh.

Petroleum tank farms must be under unrelenting inspection.
Pozh.delo 7 no.7:6 J1 '61. (MIRA 16:11)

SOV/58-59-8-18420

Translated from: Referativnyy Zhurnal Fizika, 1959, Nr 8, p 200 (USSR)

AUTHORS: Pasynkov, V.V., Savel'yev, G.A.

TITLE: Low-Power Nonlinear Semiconductor Resistors (Varistors)

PERIODICAL: V sb.: : Primeneniye poluprovodnikov v elektrotekhn., Lenin-grad, 1958, pp 95-114

ABSTRACT: Nonlinear semiconductor resistors (varistors) are described, which are manufactured from silicon carbide and have a nonlinear volt-ampere rating. It is demonstrated that their volt-ampere rating can be approximated on a certain section by an exponential function. The coefficient of nonlinearity depends on the applied voltage and can vary from 2 to 3.5. Theories are advanced to explain the nonlinearity of the volt-ampere characteristic of varistors. The authors hold that the parallel action of several mechanisms clarifying nonlinearity is possible under concrete conditions. The technology of producing such resistors is briefly described. It is noted that these mechanisms must

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Low-Power Nonlinear Semiconductor Resistors (Varistors)

be made thoroughly hermetic in order to ensure stability. The authors cite the methods and results of testing resistors manufactured in the Leningrad Electro-technical Institute. Applications of nonlinear semiconductor resistors are described in several circuits, as, for example, for stabilizing voltage, increasing the frequency, etc. The bibliography contains 23 titles.

G.K. Nechayev

Card 2/2

28220
S/194/61/000/005/061/078
D201/D303

9.2150 (1020, 1482)

AUTHORS: Okunev, Yu.T. and Savel'yev, G.A.

TITLE: Semiconductor resistances voltage stabilizers

PERIODICAL: Referativnyy zhurnal. Avtomatika i radioelektronika,
no. 5, 1961, 36, abstract 5 E226 (Izv. Leningr. el-
ektrotekhn. in-ta, 1960, no. 43, 83-91)

TEXT: Parametric voltage stabilizers are considered employing non-linear semiconductor resistances (NSC) which find application mostly as sources of resistive voltage. NSC are complex compounds of silicon carbide and binders, subjected to special annealing. They have a negative temperature coefficient, equal to 0.2 - 0.4% per degree C. The stabilizing circuits utilizing NSC have usually two configurations with parallel load and more efficient bridge. Thermal resistances are used as linear resistors. Bridge stabilizers have a stability of output voltage between switchings of $\pm 0.05\%$, their temperature coefficient is 0.003 - 0.01% per degree C. Basic

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Semiconductor resistances...

28220
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data of experimental models of NSC stabilizers are given together
with the theory of their operation. 3 references. [Abstracter's
note: Complete translation]

X

Card 2/2

9.2100(1159, 1153, 1001)

29750
S/194/61/000/006/008/077
D201/D302

AUTHORS: Savel'yev, G.A. and Sorokin, A.P.

TITLE: Non-linear semi-conductor resistances for continuously operating computers

PERIODICAL: Referativnyy zhurnal. Avtomatika i radioelektronika, no. 6, 1961, 8, abstract 6 B64 (Izv. Leningr. elektrotekhn. in-ta, 1960, no. 43, 92-95)

TEXT: Basic equations and parameters of non-linear semi-conductor resistances (NSR) designed for continuously operating computers are considered. From the point of view of their volt ampere characteristics and their applications they may be divided into 3 groups: squaring, sine and cosine function reproduction. The main sources of instability of volt ampere characteristics of NSR are temperature dependent changes of their parameters. The temperature coefficient of resistance made of silicon carbide and clay is about 0.2 to 0.3% per degree C. Thermal compensation of temperature

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Non-linear semi-conductor...

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D201/D302

induced errors is in practice difficult. This is so because the magnitude of the temperature coefficient depends to a large degree on voltage applied to NSR. The NSR are manufactured as **МЛТ** (MLT)-type resistors, rated at 0.5 W and in two nominal values - 100 and 200 k.ohm. The experiments with NSR applications have shown that the reproducibility of square-law non-linear functions is possible with an error of the order of $\pm 0.5\%$. [Abstracter's note: Complete translation]

X

Card 2/2

PASYNKOV, Vladimir Vasil'yevich; SAVEL'YEV, Georgiy Anatol'yevich;
CHIRKIN, Lev Konstantinovich; NASLEDV, D.N., doktor fiz-
mat. nauk, prof., retsenzent; SHINKOV, A.D., nauchnyy
red.; KVOCHKINA, G.P., red.; SHISHKOVA, L.M., tekhn. red.

[Nonlinear semiconductor resistances and their uses]Neli-
neinye poluprovodnikovye soprotivleniia i ikh primeneniie.
Leningrad, Sudpromgiz, 1962. 211 p. (MIRA 15:11)
(Semiconductors) (Electric resistors)

L 57603-65 EWT(1)/EEC(b)-2/EWA(h) Feb/Pl-4

ACCESSION NR: AR5000577

S/0271/64/000/009/B016/B017

681.142.6

SOURCE: Ref. zh. Avtomat. telemekh. i vychisl. tekhn. Sv. t., Abs. 9B115

AUTHOR: Korovitskiy, S. L.; Pasyukov, V. V.; Savel'yev, G. A.

TITLE: Investigation of the effect of temperature on the current-voltage characteristics of varistors intended for computing equipment

CITED SOURCE: Izv. Leningr. elektrotekhn. in-ta, vyp. 53, 1964, 301-307

TOPIC TAGS: varistor, nonlinear semiconductor resistor, semiconductor, current voltage characteristic, computer

TRANSLATION: In using the nonlinear semiconductor resistors (varistors) as voltage function generators in the computing equipment, it is necessary that the error of reproduction of the function in question be independent of ambient temperature variation. The effect of temperature on the current-voltage characteristics of a silicon-carbide varistor, in a working range of $+20 + 80^{\circ}\text{C}$, has been investigated; this range is necessary for correct selection of the temperature-compensation method. To characterize the temperature effect on the varistor conductivity, a temperature coefficient of resistance $k_r = \frac{1}{R_{rt}} \frac{\partial R_{rt}}{\partial T}$ or a temperature coefficient

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of current $k_1 = \frac{1}{r_{st}} \frac{\partial i}{\partial U}$ are introduced; here, $k_{rst} = k_1$ or $U = \text{const}$ (U is the applied voltage, r_{st} is the static resistance). Specimens of three types NPS-20-5-2, NPS-30-3-2, 3₆ and NPS-70-1-2-, 9 were measured by means of a PPTV-1₂₆ potentiometer; an M-195₇ galvanometer¹² was used as a balance indicator ($C = 4 \times 10^{-9}$ amp per one division). The outfit has a current error of 10^{-8} amp and a voltage error of 1 mv. The specimens were held in a thermostat having an error of 0.1°C. The measured current-voltage characteristics permit to state that the variation of the varistor temperature results not only in an increased conductivity of the silicon-carbide but also causes a variation in the nonlinearity coefficient of the varistor. Considering that the varistor nonlinearity mechanism is due to (a) the phenomenon of closure of contact gaps between the grains as the applied voltage increases, (b) microheating of the contact points between the grains which facilitates the electron emission, (c) increase in the conductance of contact layer and their partial breakdown, and (d) nonlinearity of p-n junction conductance at the grain contacts, it is assumed that, with a temperature rise caused by the inequality between the thermal expansion coefficient of silicon carbide (4.7×10^{-6} per degree C) and that of ultraporcelain 5.5×10^{-6} per degree C), internal mechanical stresses may appear in the varistor which may change the conditions of contact between the grains. The discovered dependence of the nonlinearity

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ACCESSION NR: AR5000577

factor on temperature and the dependence of k_{rst} on voltage modify the problem of temperature compensation of the varistors used in the computing equipment. The effect of voltage on k_{rst} has to be taken into account, and the compensation methods are to be sought in which the resistor characteristics could be kept constant in the entire range of applied voltages. Four illustrations. Bibliography: 5 titles.

SUB CODE: DP, EC

ENCL: 00

Card 3/3

ZAKHAROV, Yu.A.; BOLDYREV, V.V.; LYKHIN, V.M.; VOTINOVA, L.A.;
SAVEL'YEV, G.G.; BREGER, A.Kh.

Study of the effect of preliminary irradiation on the thermal
degradation of silver oxalate containing cadmium admixture.
Dokl.AN SSSR 145 no.1:122-124 J1 '62. (MIRA 15:7)

1. Nauchno-issledovatel'skiy institut yadernoy fiziki, elektroniki
i avtomatiki pri Tomskom politekhnicheskoye imeni S.M.Kirova
i Fiziko-khimicheskiy institut imeni L.Ya.Kapova. Predstavleno
akademikom M.M.Dubininym.

(Silver oxalate) (Cadmium) (Radiation)

ZAKHAROV, Yu.A.; SAVEL'YEV, G.G.

Thermal decomposition of silver sulfite containing Pb^{++} and VO_3^- admixtures. Kin. i kat. 5 no.2:345-347 Mr-Ap '64.
(MIRA 17:8)

1. Tomskiy politekhnicheskii institut imeni Korova.

ZAKHAROV, Yu.A.; SAVEL'YEV, G.G.; BOLDYREV, V.V.; VOTINOVA, L.A.

Changes in the physicochemical properties of solids under the effect of additions. Part 3: Some properties of silver azide containing Pb^{++} and CO_3^{--} additions. Kin. i kat. 5 no.5: 807-814 S-O '64. (MIRA 17:12)

1. Tomskiy politekhnicheskii institut imeni Kirova.

SAVEL'YEV, G.G.; ZAKHAROV, Yu.A.

Changes in the physicochemical properties of solids produced by additives. Part 2: Effect of semiconducting contacts on the thermal stability of silver oxalate. *Izv. vys. ucheb. zav.; khim. i khim. tekhn.* 7 no.5:768-773 '64 (MIRA 18:1)

1. Kafedra radiatsionnoy khimii Tomskogo politekhnicheskogo instituta imeni S.M. Kirova.

ZAKHAROV, Yu.A.; SAVEL'YEV, G.G.; ZHURAVLEV, V.K.; BOLDYREV, V.V.

Changes in the physicochemical properties of solids in the presence of admixtures. Part 4: Thermal decomposition of silver oxalate. *Kin.i kat.* 6 no.3:415-423 My-Je '65.
(MIRA 18:10)

1. Tomskiy politekhnicheskii institut imeni Kirova.

ZAKHAROV, Yu.A.; SAVEL'YEV, G.C.

Effect of admixtures on certain physicochemical properties of silver oxalate. Part 5: Photolysis, radiolysis, and thermal decomposition of silver oxalate. Kin. i kat. 6 no.4:611-618 J1-Ag '65. (MIRA 18:9)

1. Tomskiy politekhnicheskii institut imeni S.M.Kirova.

E 30996-66 EWT(m)/EWP(j)/T WW/JW/JWD/RM
ACC NR: AP6007774 SOURCE CODE: UR/0195/66/007/001/0055/0061

AUTHOR: Zakharov, Yu. A.; Savel'yev, G. G. 42
8

ORG: Tomsk Polytechnic Institute im. S. M. Kirov (Tomskiy politekhnicheskiy institut)

TITLE: Changing the physicochemical properties of solids by means of admixtures.
Part 6. Role of contact phenomena in the catalysis of thermal decomposition of
solids by semiconductor admixtures 1.41/85

SOURCE: Kinetika i kataliz, v. 7, no. 1, 1966, 55-61

TOPIC TAGS: semiconducting admixture, electron work function, solid state reaction,
silver azide, thermal decomposition, lead azide, potassium perchlorate, ammonium
perchlorate

ABSTRACT: The effect of heterophase semiconductor impurities having donor-acceptor
properties (NiO , Cu_2O , ZnO , CdO , Bi_2S_3 , Co_2O_3 , Fe_2O_3 , Ag_2S) on the rate of thermal
decomposition of ionic salts (PbN_6 , KClO_4 , NH_4ClO_4 , $\text{Ag}_2\text{C}_2\text{O}_4$ and AgN_3) was studied. The
heterophase catalysis of solid state reactions is treated in relation to the con-
tact phenomena at the boundary between the catalyst and the reacting solid. The ef-

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UDC: 541.17 2

22861

16.4500

S/044/60/000/012/007/014
C 111/ C 333

AUTHOR: Savel'yev, G. I.

TITLE: On a nonlinear integral equation of convolution type

PERIODICAL: Referativnyy zhurnal, Matematika, no. 12, 1960, 103,
abstract 13989. (Tr. Novecherk. politekhn. in-ta,
1959, 100, 47-52)

TEXT: The complex-valued function $F(x, u, v)$ defined for real x and complex u and v is assumed to be continuous in x and to satisfy the condition $|F(x, u_2, v_2) - F(x, u_1, v_1)| \leq c_1 |u_2 - u_1| + c_2 |v_2 - v_1|$ for $x \in (-\infty, +\infty)$. It is proved that the equation

$u(x) = \lambda F(x, u(x), v(x)) \equiv \lambda Au, v(x) = \int_{-\infty}^{\infty} K(x-t) u(t) dt$, possesses in $L^2(-\infty, +\infty)$ a unique solution which can be determined by successive approximations $u_{n+1} = \lambda Au_n$ for arbitrary initial

approximation, if the following conditions are satisfied:

1.) $K(x) \in L(-\infty, +\infty)$, 2.) $F(x, 0, 0) \in L^2(-\infty, +\infty)$, 3.)

$|\lambda| < N^{-1}$, where $N^2 = 2 \left[1 + \left(\int_{-\infty}^{\infty} |K(\tau)| d\tau \right)^2 \right] \max \{c_1^2, c_2^2\}$.

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On a nonlinear integral equation ... S/044/60/000/012/007/014
C 111/ C 333

Note of the reviewer: The proof of lemma 1 is correct, if the function is continuous in x ; in the formulated form one has to use the strengthened (C)-property (RZh Mat, 1957, 5737 K, theorem 18.2), which, as it is easily to be shown, is also maintained, if the set B possesses an infinite measure.

[Abstracter's note: Complete translation.]

Card 2/2

SOV/144-59-6-15/15

AUTHORS: Natalevich, V.K., Candidate of Physico-mathematical Sciences, Docent, Vorob'yev, L.N., Candidate of Technical Sciences, Docent, and Savel'yev, G.I., Senior Lecturer

TITLE: Conference of Heads of Departments of Advanced Mathematics of Schools of Higher Technical Education in the USSR

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy, Elektromekhanika, 1959, Nr 6, pp 110 - 114 (USSR)

ABSTRACT: The conference took place between May 18 - 23, 1959, in Moscow, and was mainly concerned with suggesting suitable syllabuses for departments of mathematics in technical schools of higher technical education.

Among those who took part were A.N. Kolmogorov, Academician; Corresponding Member of the Ac.Sc., USSR, L.A. Lyusternik; L.I. Sedov, Academician, G.G. Chernyy, Professor, V.V. Sokolovskiy, Corresponding Member of the Ac.Sc., USSR, G.Yu. Dzhanelidze, Professor, V.A. Venikov, Professor and Ya.Z. Tsypkin, Professor.

Professor A.F. Bermant was in charge of the organising committee.

Card1/3

SOV/144-59-6-15/15

Conference of Heads of Departments of Advanced Mathematics of
Schools of

Academician A.N. Kolmogorov argued that the probability theory and mathematical statistics are now important not only to artillerymen but also to mechanical engineers, radio engineers and automation engineers.

Academician L.A. Lyusternik argued that, at the present time, mathematics is important not only to engineers but to all other specialists.

Professor A.A. Lyapunov spoke on the importance of mathematics to engineers concerned with cybernetics.

The Minister of Higher Education in the USSR, Professor V.P. Yelyutin, pointed out that recent directives from the Party and the Government emphasise the importance of improving the theoretical knowledge of engineers. The introduction of more advanced mathematics syllabuses in various technological departments is desirable. Among the current important topics are computing machines and their programming. The conference has accepted a number

Card 2/3

SOV/144-59-6-15/15
Conference of Heads of Departments of Advanced Mathematics of
Schools of

of resolutions, all of which were concerned with
increasing the amount and improving the quality of
mathematics given to technologists.

ASSOCIATION: Novochoerkasskiy politekhnicheskii institut
(Novochoerkassk Polytechnical Institute)

Card 3/3

SAVEL'YEV, G.I.

One class of linear singular integral equations. Trudy NPI 109:3-10
'60. (MIRA 14:3)

(Integral equations)

37

29858

S/044/61/000/007/030/055
C111/C222

16.4500

AUTHOR: Savel'yev, G.I.

TITLE: On a class of linear singular integral equations

PERIODICAL: Referativnyy zhurnal. Matematika, no. 7, 1961, 64,
abstract 7 B 288. ("Tr. Novocherk. politekhn. in-ta", 1960,
109, 3 - 10)

TEXT: The author considers integral equations of the type of convolution the kernel of which, beside of a term belonging to the class L^2 , contains still a singular integral of the Cauchy type. The Fourier transformation is used for the solution. With the aid of the Fourier transformation the equation

$$f(x) + \frac{\lambda}{\pi i} \int_{-\infty}^{\infty} \frac{f(t)}{t-x} dt - \int_{-\infty}^{\infty} k(x-t)f(t)dt = g(x),$$

(1)

$$-\infty < x < \infty$$

is reduced to a linear algebraic equation ; herefrom the solution is ob-

Card 1/3

On a class of linear singular ...

29858
S/044/61/000/007/030/055
C111/C222

tained in a closed form. By a Fourier transformation the equation

$$f(x) + \frac{\lambda}{\pi i} \int_{-\infty}^{\infty} \frac{f(t)}{t-x} dt + \int_0^{\infty} k_1(x-t)f(t)dt + \int_{-\infty}^0 k_2(x-t)f(t)dt = g(x) \quad (2)$$

is reduced to the singular integral equation with the Cauchy kernel

$$\left\{ 1 - \lambda \operatorname{sign} t + \sqrt{\frac{\kappa}{2}} [K_1(x) + K_2(x)] \right\} F(x) + \frac{K_1(x) - K_2(x)}{i\sqrt{2\kappa}} \int \frac{F(\tau)}{\tau-x} d\tau = G(t) \quad (3)$$

In the usual manner the last equation is reduced to a Riemannian boundary value problem with discontinuous coefficients. From the solution of this problem the author obtains the solution of the initial equation (2) in a closed form. In an analogous manner the author solves the paired

Card 2/3

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On a class of linear singular ...

equations

$$f(x) + \frac{\lambda}{\kappa_1} \int_{-\infty}^{\infty} \frac{f(t)}{t-x} dt + \int_{-\infty}^{\infty} k_1(x-t)f(t)dt = g(x),$$

$$0 < x < \infty ,$$

(4)

$$f(x) + \frac{\lambda}{\kappa_1} \int_{-\infty}^{\infty} \frac{f(t)}{t-x} dt + \int_{-\infty}^{\infty} k_2(x-t)f(t)dt = g(x) ,$$

$$-\infty < x < 0 .$$

[Abstracter's note : Complete translation.]

Card 3/3

NATALEVICH, V.K.; ABRAMOVICH, S.V., dots., otv. red.; SAVEL'YEV, G.I., st. prepodav., red.; OVSEYENKO, Yu.G., assist., red.; POGREBTSOVA, L.V., red. izd-va; NAUMOVA, Yu.A., tekhn. red.

[Course of lectures in the theory of functions of complex variables] Kurs lektsii po teorii funktsii kompleksnogo peremennogo. Novochoerkassk, Redaktsionno-izdatel'skii ot-del NPI, 1962. 189 p. (MIRA 16:5)

1. Novochoerkassk. Politekhnikheskiy institut. Kafedra vyshey matematiki. 2. Novochoerkasskiy politekhnikheskiy institut (for Natalevich).
(Functions of complex variables)

SAVELYEV, G. I.; STEPANOVA, O. I.; SERDYUK, R. L.

"The influence of nitrogen admixture on heat transfer in the condensation of moving water vapor at a pressure up to 12 ATM."

report submitted for 2nd All-Union Conf on Heat & Mass Transfer, Minsk, 4-12 May 1964.

Inst of Theoretical & Experimental Physics.

SAVEL'YEV, G.G.; ZAKHAROV, Yu.A.; SPITSA, V.B.

Effect of the electric field on the rate of thermal decomposition
of silver oxalate and azide. Zhur.fiz.khim. 39 no.11:2808-2810
N '65. (MIRA 18:12)

1. Tomskiy politekhnicheskii institut imeni S.M.Kirova.

SAVEL'YEV, G.M., student - diplomant

Investigating the performance of the D-40K diesel engine
using a mixture of diesel fuel and gasoline. Izv. vys. ucheb.
zav.; mashinostr. no. 10;106-111 '65 (MIRA 19:1)

1. Submitted March 6, 1964.

L 45872-66 EWT(d)/EWT(m)/EWP(f)/T WE

ACC NR: AP6013812

(A)

SOURCE CODE: UR/0145/65/000/010/0106/0111

AUTHOR: Savel'yev, G. M. (Graduate Student)

ORG: none

TITLE: Operation of D-40K diesel engine on the mixture of diesel oil and gasoline

SOURCE: IVUZ. Mashinostroyeniye, no. 10, 1965, 106-111

TOPIC TAGS: diesel engine, diesel fuel, gasoline / D-40K diesel engine, ~~GOST-305-58~~
~~diesel fuel~~, A-66 gasoline

ABSTRACT: The performance of D-40K diesel engines operating on regular diesel oil (GOST-305-58) with various admixtures of A-66 gasoline is investigated. Such a mixture can be used in emergency cases for operating tractors equipped with D-40K diesels. The low quality A-66 gasoline is normally used only for diesel starting engines. The densities of mixtures for various gasoline contents (from 0 to 100%) are given in a table. The conditions of laboratory tests are briefly described, stressing that the mixtures with A-66 contents up to 25% produce no changes in the smooth operation of the D-40K engine. However, at a 50 pct content and higher the instability in rotation is observed. This instability at constant load (50 to 60 rpm at 1300 rpm) is explained by a quicker evaporation of light gasoline fractions. The effect of gasoline contents is analyzed by means of series of curves showing the variations of horse power, pressure and fuel con-

Card 1/2

UDC: 621.436

L 45872-66

ACC NR: AP6013812

sumption at various rpm values. The curves are plotted for diesel fuel and gasoline separately as well as for 5 and 25-pct mixtures. The effect of ignition angle at various speeds is also examined and graphically illustrated. It is concluded, that no changes in engine is required by using diesel oil with a 30-pct addition of gasoline on condition, however, that the engine power capacity is reduced 11%. The decrease in capacity can be compensated by an increase in fuel supply. For this purpose and for avoiding the effects of instability (for contents over 30%), the fuel pumps must be adjusted. The injection angle must also be properly set. Orig. art. has: 1 table, and 5 graphs.

SUB CODE: 21/ SUBM DATE: None/ ORIG REF: 003

Card 2/2 ULR

E 47331-65 FSS-2/EWT(1)/EWP(e)/EWT(m)/EWG(m)/EWP(t)/EWP(k)/EWP(z)/EWP(b)
 Pz 6/Pad/Pf-4 IJP(c) RWH/JD/HW
 ACCESSION NR: AP5010876
 UR/0286/65/000/007/0052/0052

AUTHORS: Lidorenko, N. S.; Cherkasskiy, A. Kh.; Adamyan, R. G.; Chuvpilo, A. V.; Savel'yev, G. N.; Shchegolev, I. S.

TITLE: A method for preparing the positive electrode of a nickel zinc storage battery. Class 21, No. 169620

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 7, 1965, 52

TOPIC TAGS: battery, storage battery, electrode

ABSTRACT: This Author Certificate presents a method for preparing the positive electrode of a nickel-zinc storage battery. The method is based on powder metallurgy technology and is designed to decrease the leakage of the battery while it is in storage. The positive (nickel) electrode is coated with a thin layer of metallic silver by chemical means.

ASSOCIATION: none

SUBMITTED: 29May63

ENCL: 00

SUB CODE: EE

NO REF SOV: 000

OTHER: 000

ANTONOVSKAYA, M.A., nauchnyy sotr.; BAZHENOV, I.I., nauchnyy sotr.; SA-
VEL'YEV, G.P., nauchnyy sotr.; SNAGOVSKIY, Ye.S., nauchnyy sotr.
CHETVEROV, B.M., nauchnyy sotr.; BERSTEL', V.N., retsenzent; KUD-
RYAVTSEVA, I.G., tekhn. red.

[Widespread automatic control in coal mines] Kompleksnaia avtoma-
tizatsiia na ugol'nykh shakhtakh. Moskva, Ugletekhizdat, 1950. 170 p.
(MIRA 14:10)

1. Vsesoyuznyy nauchno-issledovatel'skiy ugol'nyy institut (for Anto-
novskaya, Bazhenov, Savel'yev, Snagovskiy, Chetverov).
(Automatic control)
(Coal mines and mining)

SAVEL'YEV, G. P.

SAVEL'YEV, G. P. -- "Investigation of Direct-Current Electromagnetic Mechanisms of Control Switches in Mine Haulage." Sub 29 Oct 52, All-Union Sci Coal Inst (Dissertation for the Degree of Candidate in Technical Sciences)

SO: Vechernaya Moskva, January-December 1952

SOV/127-59-3-14/22

24(5)

AUTHOR: Savel'yev, G.P., Candidate of Technical Sciences

TITLE: The System of Time Announcements Through the Mine Telephone Nets. (Sistema informatsii o vremeni po shakhtnym telefonnym setyam.)

PERIODICAL: Gornyy zhurnal, 1959, Nr 3, pp 53-54 (USSR)

ABSTRACT: The AOV-1 time announcing device was developed by VUGI and the konotop "Krasnyy Metallist" Plant according to plans worked out by A.V. Pribylev, Ya. B. Krumberg and B.V. Ulasevich. The device has a normal three-stage amplifier with resistances and radio tubes and a full wave rectifier. There is 1 diagram and 1 Soviet reference.

ASSOCIATION: Vsesoyuznyy nauchno-issledovatel'skiy ugol'nyy institut (the All-Union Scientific Research Coal Institute) Lyubertsy, Moscow Oblast'.

Card 1/1

SAVEL'YEV, G.P.; AMEL'CHENKO, A.P., mashinist elektrovosa

Servicing electric passenger locomotives by shift brigades.
Elek.i tepl.tiaga 14 no.3:15-16 Mr '60. (MIRA 13:7)

1. Mashinist instruktor depo Kuybyshev (for Savel'yev).
(Electric locomotives)

SAVEL'YEV, G. P.

26

PHASE I BOOK EXPLOITATION

SOV/5473

Gornoye delo; entsiklopedicheskiy spravochnik. t. 8: Statsionarnoye elektromekhanicheskoye oborudovaniye. Elektrosnabzheniye shakht (Mining Industry; an Encyclopedic Handbook. v. 8: Stationary Electro-mechanical Equipment. Electric Power Supply to Mines) Moscow, Gosgortekhnizdat, 1960. 784 p. Errata slip inserted. 18,500 copies printed.

Chief Ed.: A. M. Terpigorev (Deceased); Members of the Editorial Board: A. I. Baranov, F. A. Barabanov (Deceased), A. A. Boyko, V. K. Buchnev, A. N. Zaytsev; Deputy Chief Eds.: I. K. Kit and N. V. Mel'nikov; I. N. Plaksin, N. M. Pokrovskiy, A. A. Skochinskiy (Deceased), A. O. Spivakovskiy, I. K. Stanchenko, A. P. Sudoplatov, A. V. Topchiyev, S. V. Troyanskiy, A. K. Kharchenko, L. D. Shevyakov and M. A. Shchedrin; Editorial Board for this volume: Resp. Ed.: F. A. Barabanov; Deputy Resp. Ed.: Z. M. Melamed; N. A. Arzamasov, G. M. Yelanchik, V. K. Yefremov, B. I. Zasadych, I. M. Zhumakhov, N. A. Letov, P. P. Nesterov, I. A. Rabinovich, K. I. Skorkin, and V. A. Sumchenko; Authors: G. A.

Card 1/16

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Mining Industry (Cont.)

SOV/5473

Babak, Candidate of Technical Sciences, V. D. Belyy, Professor, Doctor of Technical Sciences, K. S. Borisenko, Candidate of Technical Sciences, A. G. Borumenskiy, Candidate of Technical Sciences, I. V. Brusilovskiy, Candidate of Technical Sciences, A. R. Bushel', Candidate of Technical Sciences, V. P. Bukhgal'ts, Engineer, M. N. Vasilevskiy, Candidate of Technical Sciences, A. N. Vas'kovskiy, Engineer, B. N. Vlasenko, Engineer, I. Ya. Gershikov, Engineer, V. G. Geyer, Professor, Doctor of Technical Sciences, A. D. Dimashko, Engineer, V. S. Dulin, Candidate of Technical Sciences, I. L. Lokshin, Engineer, B. M. Melamed, Engineer, Yu. A. Mikheyev, Engineer, V. P. Morozov, Engineer, M. I. Mushkatin, Engineer, V. S. Pak, Academician, I. M. Perskaya, Engineer, N. M. Rusanov, Candidate of Technical Sciences, G. P. Savel'yey, Candidate of Technical Sciences, Ya. M. Smorodinskiy, Candidate of Technical Sciences, K. A. Ushakov, Honored Scientist and Technologist, Professor, Doctor of Technical Sciences, B. M. Furmanov, Engineer, and N. N. Chernavkin, Engineer. Eds.: Ya. M. Drozdov, Engineer, B. I. Zasadych,

Card 2/16

26

Mining Industry (Cont.)

SOV/5473

Candidate of Technical Sciences, N. S. Karpyshev, Candidate of Technical Sciences, N. A. Letov, Candidate of Technical Sciences, Z. M. Melamed, Candidate of Technical Sciences, Yu. A. Mikheyev, Engineer, V. P. Morozov, Engineer, V. I. Polikovskiy, Professor, Doctor of Technical Sciences, I. A. Rabinovich, Engineer, M. S. Rabinovich, Candidate of Technical Sciences, I. A. Raskin, Engineer, V. S. Tulin, Engineer, S. Ye. Unigovskiy, Engineer, K. A. Ushakov, Honored Scientist and Technologist, Professor, Doctor of Technical Sciences, M. M. Shemakhanov, Candidate of Technical Sciences, P. F. Shishkov, Candidate of Technical Sciences, and V. B. Yablonovskiy, Engineer; Eds. of Publishing House: N. A. Arzamasov and T. I. Rybal'nik; Tech. Ed.: V. L. Prozorovskaya and M. A. Kondrat'yeva.

PURPOSE: This handbook is intended for mining and mechanical engineers as well as for other skilled personnel of the mining industry concerned with the handling and operation of various installations and equipment used in mines.

Card 3/16

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SOV/5473

Mining Industry (Cont.)

COVERAGE: Volume VIII of the mining handbook contains detailed information on mine hoisting installations, machines and equipment, mine ventilation units, duct systems, dewatering facilities, various types of pumps, pump meters, pumping stations, and the automatic remote control of these units. The handbook also describes and explains the operation of the air compression units and compressors. Heat-generating and heat-supply equipment of mines is described, as are the electric power supply systems and other electrical equipment such as transformers, power distribution systems, and grounding devices. Telephone communication and signaling systems used in mines are also treated. No personalities are mentioned. Each part of the handbook is accompanied by references, mostly Soviet.

TABLE OF CONTENTS [Abridged]:

PART I. MINE HOISTING UNITS

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Ch. IX. Electric Circuits for the Hoisting Machine Control (Vasilevskiy, M. N., Candidate of Technical Sciences)		142
Ch. X. Electrical Equipment of Hoisting Units (Vasilevskiy, M. N.)		155
Ch. XI. Signaling Systems for the Hoisting Units (<u>Savel'yev, G. P.</u> , Candidate of Technical Sciences)		167
Bibliography		176

Card 6/16

SAVEL'YEV, G.P., kand.tekhn.nauk

Sparkproof electropneumatic acoustical signaling device. Shakht.
stroil. 6 no.5:12-14 My '62. (MIRA 15:7)

1. Institut gornogo dela imeni A.A.Skochinskogo.
(Mine communications--Equipment and supplies)

SAVEL'YEV, G.P., kand. tekhn. nauk; GERASIMOV, V.F., technolog

[Mine signaling; annotated bibliography of publications up to 1958 inclusive] Rudnichnaia signalizatsiia; annotirovannyi bibliograficheskii ukazatel' literatury po 1958 g. vkluchitel'no. Moskva, Institut gornogo dela, 1963. 130 p. (MIRA 16:12)

(Bibliography--Electricity in mining)
(Bibliography--Signals and signaling)

SAVEL'YEV, Georgiy Pavlovich; BARSKIY, B.S., red.; GONCHAROVA,
L.A., red.izd-va; GINZBURG, R.Ya., tekhn.red.

[Production of ball iron] Proizvodstvo kritsy. Moskva,
Metallurgizdat, 1963. 97 p. (MIRA 17:2)

SAVEL'YEV, G.P., kand.tekhn.nauk

Classification of mine signaling systems. Mekh. i avtom. v gor.
prom. no.3:355-370 '63. (MIRA 16:10)

SAVEL'YEV, G.P., kand. tekhn. nauk

Information concerning literature on mining technology. Ugol'
38 no.1:63-64 Ja '63. (MIRA 18:3)

1. Institut gornogo dela im. A.A. Skochinskogo.

SAVEL'YEV, G.P.

Using high-speed photography for studying the steel casting
process. Lit. proizv. 5:34-36 My '64. (MIRA 18:3)

SAVEL'YEV, -G.S.

"Experimental Studies of the Clearance of Farm-herds of Brucellosis."

SC: Veterinariya, Vol. 20, 3/4, March/April 1943, uncl.

SAVEL'YEV, G. S.

PA 19T57

USSR/Telephones - Apparatus
Communications - Development

Feb/Mar 1946

"A New Percussion Cup Telephone," G. S. Savel'yev,
4 pp

"Vestnik Svyazi - Elektro Svyaz'" No 2/3 (71-72)

This type of telephone is said to have a greater sensitivity to audio-output and a more stable and steady frequency characteristic under conditions of prolonged use. Well illustrated with graphs, diagrams and mathematical formulae.

19T57

SAVEL'YEV, G. [S.]

USSR/Radio - Television
Competitions

Dec 51

"Concerning the Competition for a 'Mass' Television Receiver," G. Savel'yev, Chief of the Tech Admn, Min of Communications Equipment Ind

"Radio" No 12, p 43

Gives some of the specifications for the television receiver and the reasons underlying them. Some of the specifications are: sep sound and picture channels, sensitivity of 1,000 μ v on each, provision for the reception of ultrashort-wave FM broadcast stations, and considerable reduction of production cost.

208T94

SAVEL'EV, G. [S]

RT-1046 (The soviet radio industry in 1952) Abridged from: Sovetskaia radiopromyshlenost' v 1952 godu.

RADIO, (5): 14-15, 1952.

SAVEL'YEV, G.S., inzh. (Privolzhskaya doroga)

New technology of the changing of cylindrical bushings. Elek.1
tepl.tiaga 4 no.2:15 F '60. (MIRA 13:6)
(Diesel engines--Maintenance and repair)

SAVEL'YEV

KOZHEVNIKOV, V.P., inzhener; UZIYENKO, A.M., inzhener; KUSTOBAYEV, G.G.,
inzhener; SAVEL'YEV, G.V., inzhener; SKACHKO, F.P., inzhener.

~~Increasing the productivity of a No. 2 blooming mill. Stal' 17~~
no.1:47-52 Ja '57. (MLRA 10:3)

1. Magnitogorskiy metallurgicheskiy kombinat.
(Rolling mills)

KARPOV, A.A., inzh.; KUSTOBAYEV, G.G., inzh.; LAUSHKIN, N.P., inzh.;
LANGE, Z.I., inzh.; NOSYREVA, M.D., inzh.; SAVEL'YEV, G.V., inzh.;
SHCHULEPNIKOV, I.S., inzh.; Primali uchastiye: SYCHKOV, B.A., inzh.;
MILIKHIN, A.Ye., inzh.; ZAYTSEV, R.A., inzh.; ZARZHITSKIY, Yu.A.,
inzh.; LEONT'YEV, A.I., inzh.; VIKTOROVA, T.Ye., inzh.; SERIKOV, A.A.,
inzh.

Operation of recuperator soaking pits in the 1150 MMK rolling
mill. Stal' 22 no.8:753-758 Ag '62. (MIRA 15:7)

1. Magnitogorskiy metallurgicheskiy kombinat.
(Furnaces, Heating) (Rolling mills)

L 44005-66 EWT(m)/EWP(t)/T/ETI/EWP(k) IJP(c) JD/HW

ACC NR: AP6029871

SOURCE CODE: UR/0413/66/000/015/0022/0022

INVENTOR: Voronov, F. D.; Filatov, A. D.; Gun, S. B.; Selivanov, N. M.; Nosov, V. D.; Savel'yev, G. V.; Goncharov, F. I.; Plotnikov, P. I.; Roshkov, S. A.; Kustobayev, G. G.; Polushkin, V. P.; Arkhipov, V. M.; Uziyenko, A. M.; Kolov, M. I.; Kozhevnikov, V. P.; Shapiro, B. S.; Kalugin, V. F.; Grudev, P. I.; Aksenov, B. N.; Khomyachkov, A. P.; Rudakov, Ye. A.; Kuzema, I. D.; Gomzhin, V. V.; Poydyshev, B. N.; Shternov, M. M.

ORG: none

TITLE: Method of making high-strength steel plates by pack rolling. Class 7, No. 184232

SOURCE: Izobret prom obraz toy zn, no. 15, 1966, 22

TOPIC TAGS: high strength steel, high strength steel plate, high strength steel sheet, steel plate rolling, steel sheet rolling

ABSTRACT: This Author Certificate introduces a method of pack rolling high-strength steel plates and sheets up to 10 mm thick and up to 3500 mm wide in a carbon steel envelope. The method includes cleaning, coating, making of the pack, heating, rolling and subsequent heat treatment. To ensure an accurate thickness of the plates

Card 1/2

UDC: 621.771.23

L 44005-66

ACC NR: AP6029871

or sheets regardless of their location in the pack, the thickness of the envelope must be at least 0.6 of the total initial thickness of the high-strength plates of the pack. [ND]

SUB CODE: 13/ SUBM DATE: 18Jun64/ ATD PRESS: 5070

Card 2/2 blg

PODDUBNYY, I.; YANIKOV, I.; FABRIKOV, G., zhivotnovod; TARASYUK, A.;
TSAPLIN, V.; BAKLITSKAYA, Ye., zven'yevaya; GRIDINA, A., doyarka;
KRAYTSOVA, Z., telyatnitsa; KOMYAGINA, R., svinarka; SAVEL'YEV, I.,
chaban; SLADKOTEDOVA, N., ptichnitsa; RUD, M., mekhanizator;
GOGIN, S., mekhanizator.

Our collective farm in seven years. Nauka i pered.op.v sel'khoz.
9 no.1:5-9 Ja '59. (MIRA 13:3)

1. Kolkhoz "Ukraina," Kirovskogo rayona Krymskoy oblasti.
 2. Predsedatel' kolkhoza "Ukraina" Kirovskogo rayona Krymskoy oblasti (for Poddubnyy).
 3. Glavnyy agronom kolkhoza "Ukraina" Kirovskogo rayona Krymskoy oblasti (for Yanikov).
 4. Glavnyy mekhanik kolkhoza "Ukraina" Kirovskogo rayona Krymskoy oblasti (for Tarasyuk).
 5. Sekretar' partorganizatsii kolkhoza "Ukraina" Kirovskogo rayona Krymskoy oblasti (for TSaplin).
- (Kirovskoye District--Agriculture)

SAVEL'YEV, I.

Trend toward intensification. NTO 6 no.5:2-4 My '64.

(MIRA 17:8)

1. Predsedatel' Ukrainского respublikanskogo soveta Nauchno-
tekhnicheskikh obshchestv.

SAVEL'YEV, I.A.; PYZHOV, N.N.

[We are organizing our work according to the method of engineer F.Kovalev]
Perestraivaem rabotu po metodu inzhenera F.Kovaleva. [Material literaturno
obrabotal N.N.Pyzhov] Moskva, Goslebumizdat, 1951 53 p. (MLRA 6:9)
(Textile industry)

SAVEL'YEV, I.A.; FEDOROV, G.M.

Simple method for sharpening hypodermic needles. Med.vestra 19
no.8:34-35 Ag '60. (MIRA 13:7)

1. Odesskiy meditsinskiy institut imeni N.I. Pirogova.,
(HYPODERMIC NEEDLES)

SAVEL'YEV, I. A.

Vardin, G. D. and Savel'yev, I.A.

"Tests Made at the Stakhanovite Dzerzhinskiy Plant," (Opyt stakhanovskogo kollektiva zavoda im. Dzerzhinskogo), Gosudarstvennoye nauchno-tekhnicheskoye izdatel'stvo neftyanoy i gorno-toplivnoy literatury (State Scientific and Technical Publishing House for Petroleum and Mined Fuel Literature), Moscow-Leningrad, 1953.

Translated excerpts - D 181976, 16 Mar 55

SAVEL'YEV, I.A., kand.med.nauk; NAYKHIN, M.N.

Case of acute dilatation of the stomach. Vest. rent. i rad.
39 no.3:63-65 My-Je-'64. (MIRA 18:11)

1. Gospi'tal'naya-terapevticheskaya-klinika (zav. - dotsent
G.F.Boyko) lechebnogo fakul'teta Odeskogo meditsinskogo
instituta imeni N.I.Pirogova i 2-ya klinicheskaya bol'nitsa
TSentral'nogo rayona Odessy.

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1. Moskovskaya mebel'naya fabrika no.5 Glavmebel'proma
(Furniture industry) (Leont'ev, I.I.) (Abukhov, L.G.)

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We are improving labor productivity in our enterprises. Der.
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1. Moskovskaya mebel'naya fabrika No.5.
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Moscow Furniture Factory No.5 struggles to achieve technological
progress. Der.prom. 10 no.9:18-20 S '61. (MIRA 14:10)
(Moscow---Furniture industry)

YASINOVSKIY, M.A., zasluzhennyy deyatel' nauki, professor (Odessa); SAVEL'YEV,
~~I.A.~~ (Odessa); NAUMOV, F.G. (Odessa); FINGER, O.A., (Odessa); SHUTTY,
M.S. (Odessa)

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rheumatism. Klin.med. 34 no.6:31-40 Je '56. (MIRA 9:10)

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instituta (dir. prof. I.Ya., Deyneka)

(RHEUMATISM, prevention and control,
chemother. (Rus))

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Effect of certain therapeutic methods on hepatic function in brucellosis. Vrach.delo no.1:1289-1291 D '58. (MIRA 12:3)

1. Gosptal'naya terapevticheskaya klinika (zav. - zasl. deyatel' nauki, prof. M.A. Yasinovskiy) i klinika infetsionnykh bolezney (zav. - prof. L.K. Korovitskiy) Odesskogo meditsinskogo instituta.
(BRUCELOSIS) (LIVER)

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Functional disorders of the liver in brucellosis. Klin.med. 36
no.6:51-55 Je '58 (MIRA 11:7)

1. Iz gospi'tal'noy terapevticheskoy kliniki (zav. -- zaslushenny
deyatel' nauki prof. M.A. Yasinovskiy) i kliniki infektsionnykh
bolezney (zav. - prof. L.K. Korovitskiy) Odesskogo meditsinskogo
instituta imeni N.I. Pirogova.

(BRUCELOSIS, compl.

liver disord. (Rus))

(LIVER DISEASES, etiol. & pathogen.

seq. of brucellosis (Rus))

SAVEL'YEV, I.A.

Efficient establishers of norms. Mashinostroitel' no.8:28-29 Ag
'61. (MIRA 14:7)

1. Nachal'nik otдела truda Moskovskogo stankostroitel'nogo zavoda
imeni Sergo Ordzhonikidze.
(Moscow--Machine-tool industry--Production standards)

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Safe train movement first of all! Put' i put. khoz. no. 5:41-42
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(Railroads--Safety measures)

1. SAVEL'YEV, I. K.
2. USSR (600)
4. Poultry
7. Raising mature and young chickens in the field. Ptitsevodstvo No. 5, 1952.

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1. SAVEL'YEV, I. K.
2. USSR 600
4. Poultry
7. Long-period raising of chickens in the field as a method improving their productivity and their hereditary qualities, Trudy NIIP 22, 1952.

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Porody kur [Breeds of chickens]. Moskva, Sel'khozgiz, 1953. 64 p.

SO: Monthly List of Russian Accessions, Vol. 6 No. 12 March 1954.

PENIONZHKEVICH, E.E., prof., doktor biologicheskikh nauk; SAVEL'YEV, I.K.,
kand.sel'skokhozyaystvennykh nauk; TRET'YAKOV, N.P., prof.,
doktor sel'skokhozyaystvennykh nauk; MAKHLUPINA, A.G., kand.
sel'skokhozyaystvennykh nauk

Zagorsk group of chicken breeds. Ptitsevodstvo 8 no.8:23-29
Ag '58. (MIRA 11:10)

(Poultry breeds)

USSR / Farm Animals. Poultry.

Q

Abs Jour : Ref Zhur - Biologiya, No 5, 1959, No. 21300

Author : Penionzhkevich, E. E.; Savel'yev, I. K.; Chmutova, A. P.

Inst : All-Union Scientific Research Institute of Poultry Farming

Title : A New Zagorskaya Purebred Group of Hens

Orig Pub : Tr. Vses. n.-i. in-ta ptitsevodstva, 1958, 25, 49-100

Abstract : This purebred group of hens was raised on the basis of crossing Russian White, Yurlovskaya, Rhode Island and New Hampshire breed hens. The chicks were bred at times which were more favorable for their growth and development. The keeping conditions of young and fully grown fowl are described. The producers of the original breeds were selected from farms with varied climatic, economic and zootechnical conditions. Group

Card 1/3

USSR / Farm Animals. Poultry. Q

Abs Jour : Ref Zhur - Biologiya, No 5, 1959, No. 21300

comparative fattening, 43.1 percent of X grade I
carcasses were obtained from Zagorskaya breed cockerels,
20.8 percent from New Hampshire cockerels. Data
are presented on some biologic properties of these hens.
-- A. D. Musin

Card 3/3

80

SAVEL'YEV, I.K., kand. sel'khoz. nauk, red.; NECHIPORUK, L.P., red.;
DEYEVA, V.M., tekhn. red.; BELOVA, N.N., tekhn. red.

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proizvodstva miasa ptitsy. Moskva, Sel'khozizdat, 1963. 102 p.
(MIRA 16:6)

(Poultry)

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KHODANOVICH, Ye.Ye., kand. sel'khoz. nauk, retsenzent;
SAVEL'YEV, I.K., kand. sel'khoz. nauk, retsenzent;
GOLOVKINA, N.M., prepod. sredney shkoly, retsenzent;
YEMEL'YANOV, F.V., red.; YEFIMOV, A.L., red.; TSYPKO, R.V.,
tekhn. red.

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